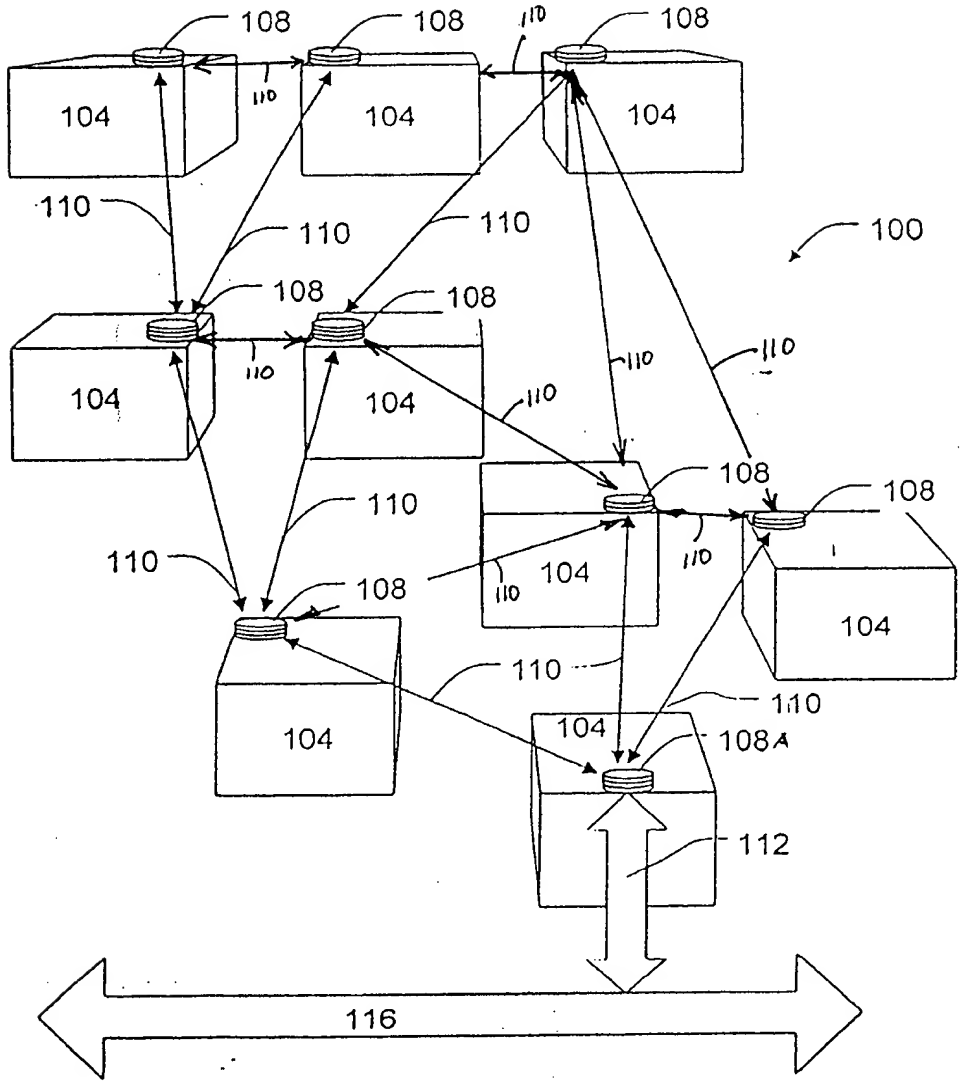
108
108
110
108
104
104
104
110
110
110
100
108
108
104
104
110
110
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110
108
108
110
110
104
110
108
104
110
110
104
108A
112
116

Fig. 1

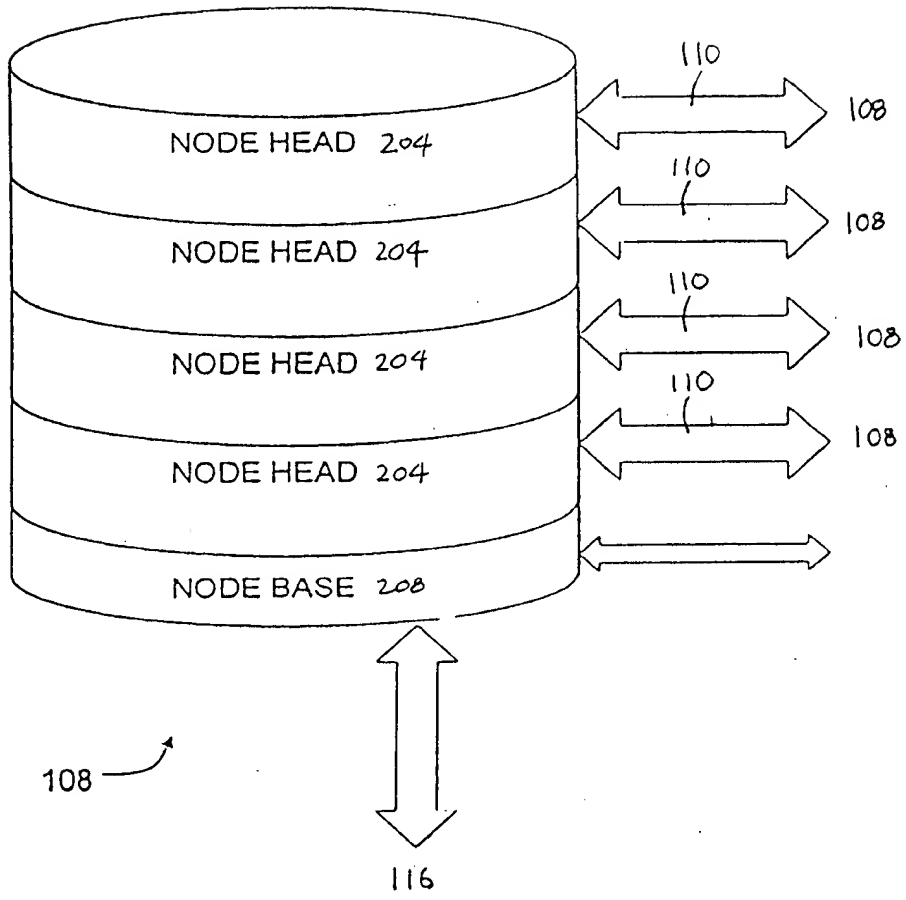
NODE HEAD 204
NODE HEAD 204
NODE HEAD 204
NODE HEAD 204
NODE BASE 208
110
108
110
108
110
108
110
108
108
116

Fig. 2

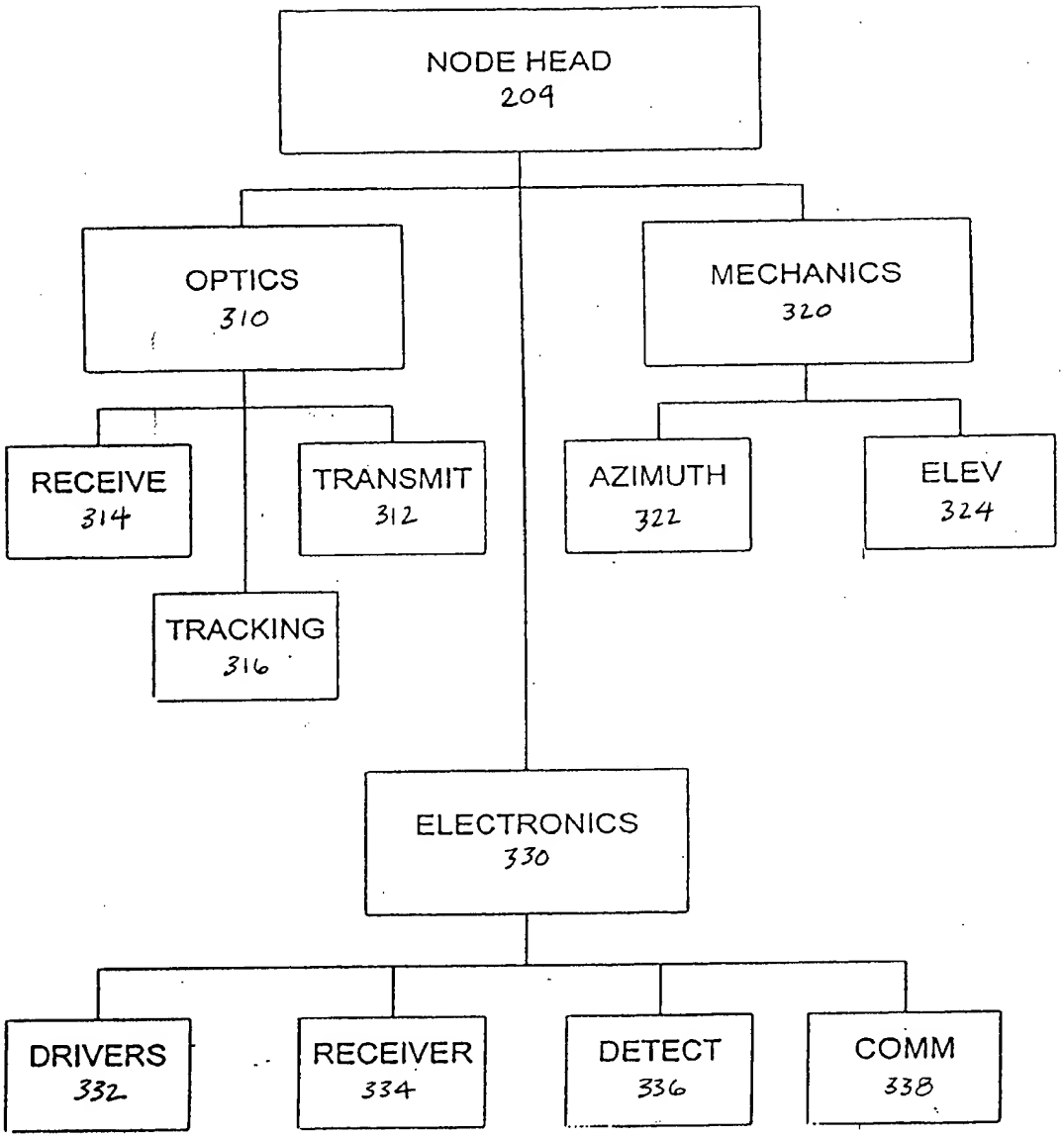
NODE HEAD
209
OPTICS
310
MECHANICS
320
RECEIVE
314
TRANSMIT
312
AZIMUTH
322
ELEV
324
TRACKING
316
ELECTRONICS
330
DRIVERS
332
RECEIVER
334
DETECT
336
COMM
338

Fig. 3

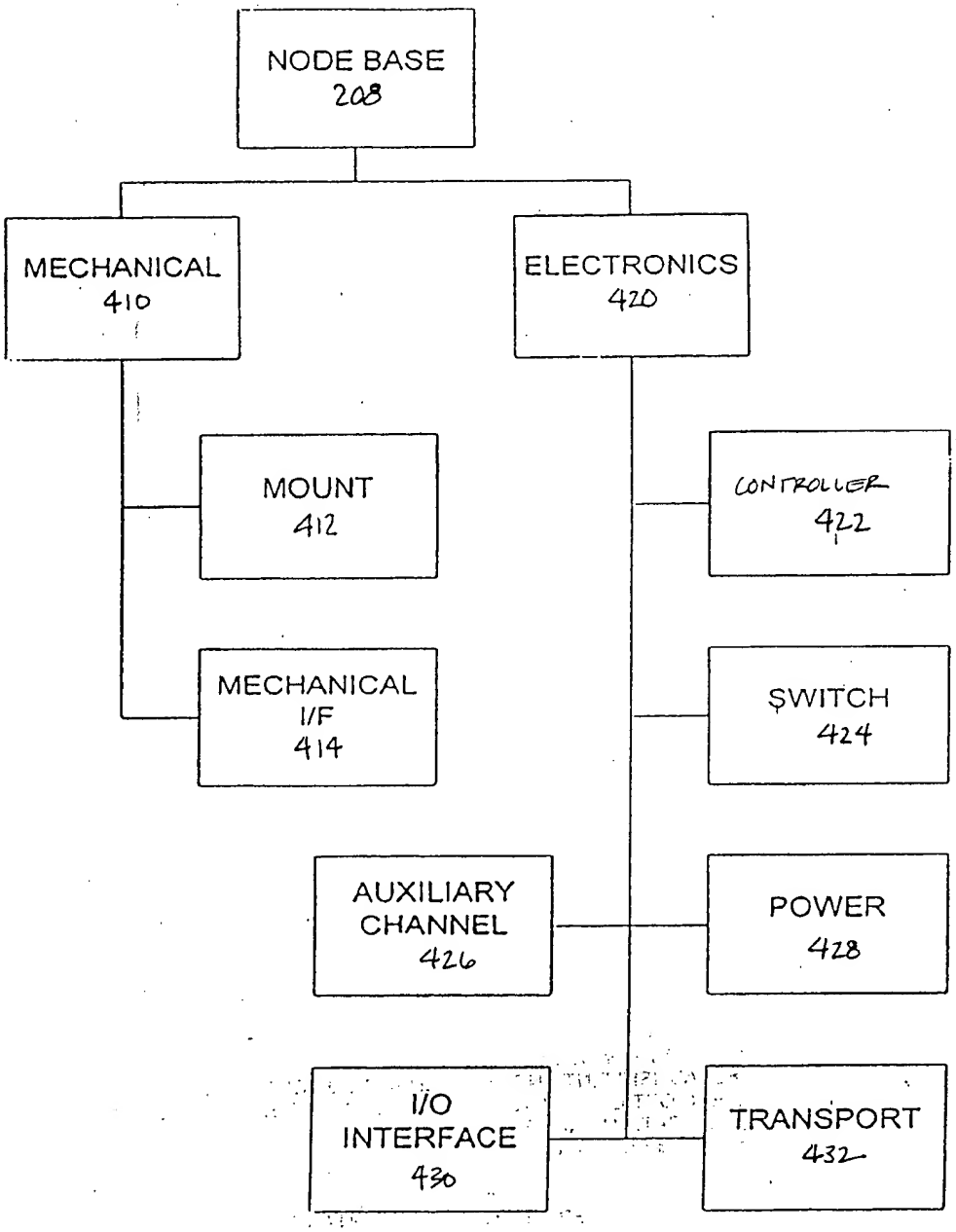
NODE BASE
208
MECHANICAL
410
ELECTRONICS
420
MOUNT
412
MECHANICAL
I/F
414
CONTROLLER
422
SWITCH
424
AUXILIARY
CHANNEL
426
POWER
428
I/O
INTERFACE
430
TRANSPORT
432

Fig. 4

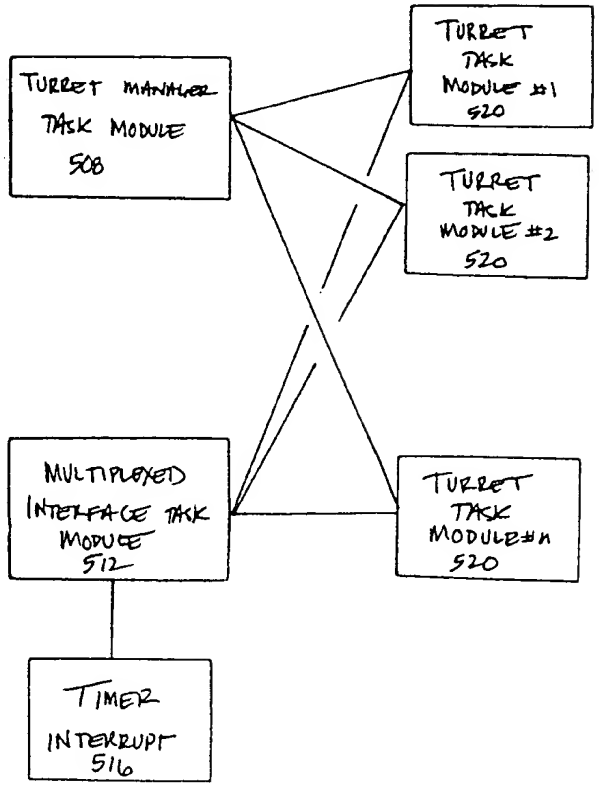
TURRET MANAGER TASK MODULE 508
TURRET TASK MODULE #1 520
TURRET TASK MODULE #2 520
TURRET TASK MODULE#n 520
MULTIPLEXED INTERFACE TASK MODULE 512
TIMER INTERRUPT 516

FIGURE 5

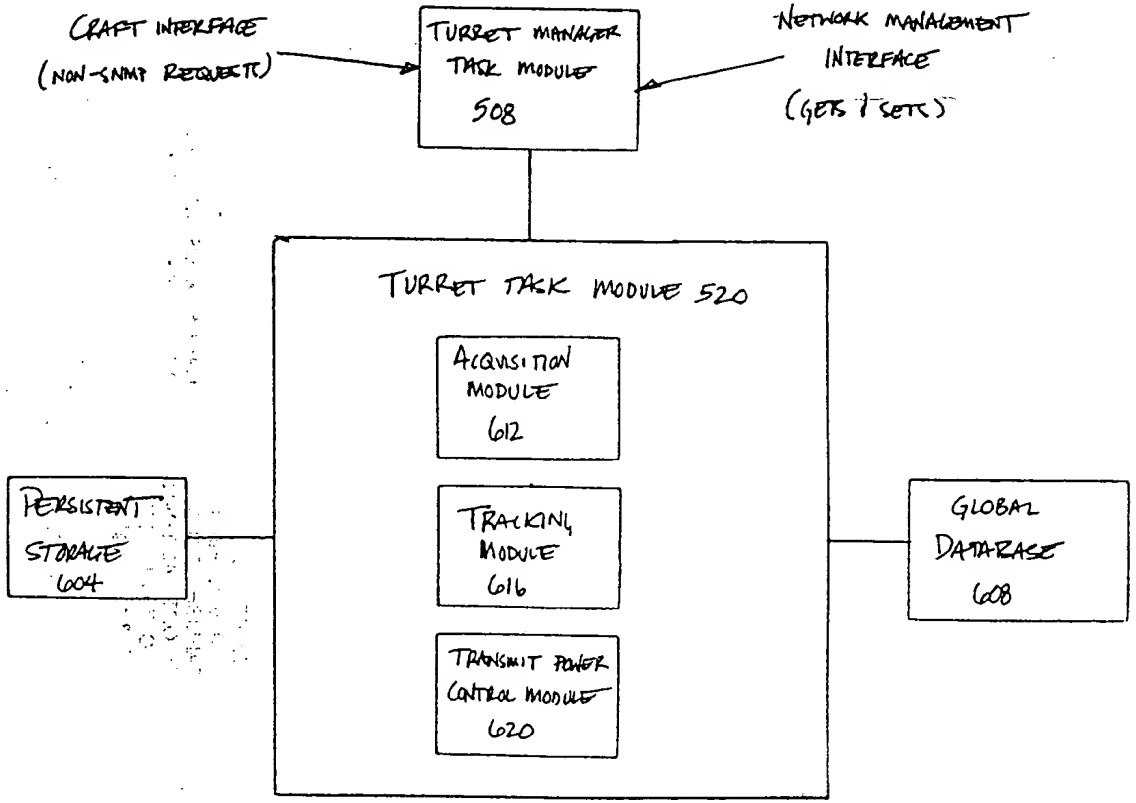
CRAFT INTERFACE
(NON-SNMP REQUESTS)
TURRET MANAGER TASK MODULE
508
NETWORK MANAGEMENT INTERFACE
(GETS / SETS)
TURRET TASK MODULE 520
ACQUISITION MODULE
612
TRACKING MODULE
616
TRANSMIT POWER CONTROL MODULE
620
PERSISTENT STORAGE
604
GLOBAL DATABASE
608

FIGURE 6

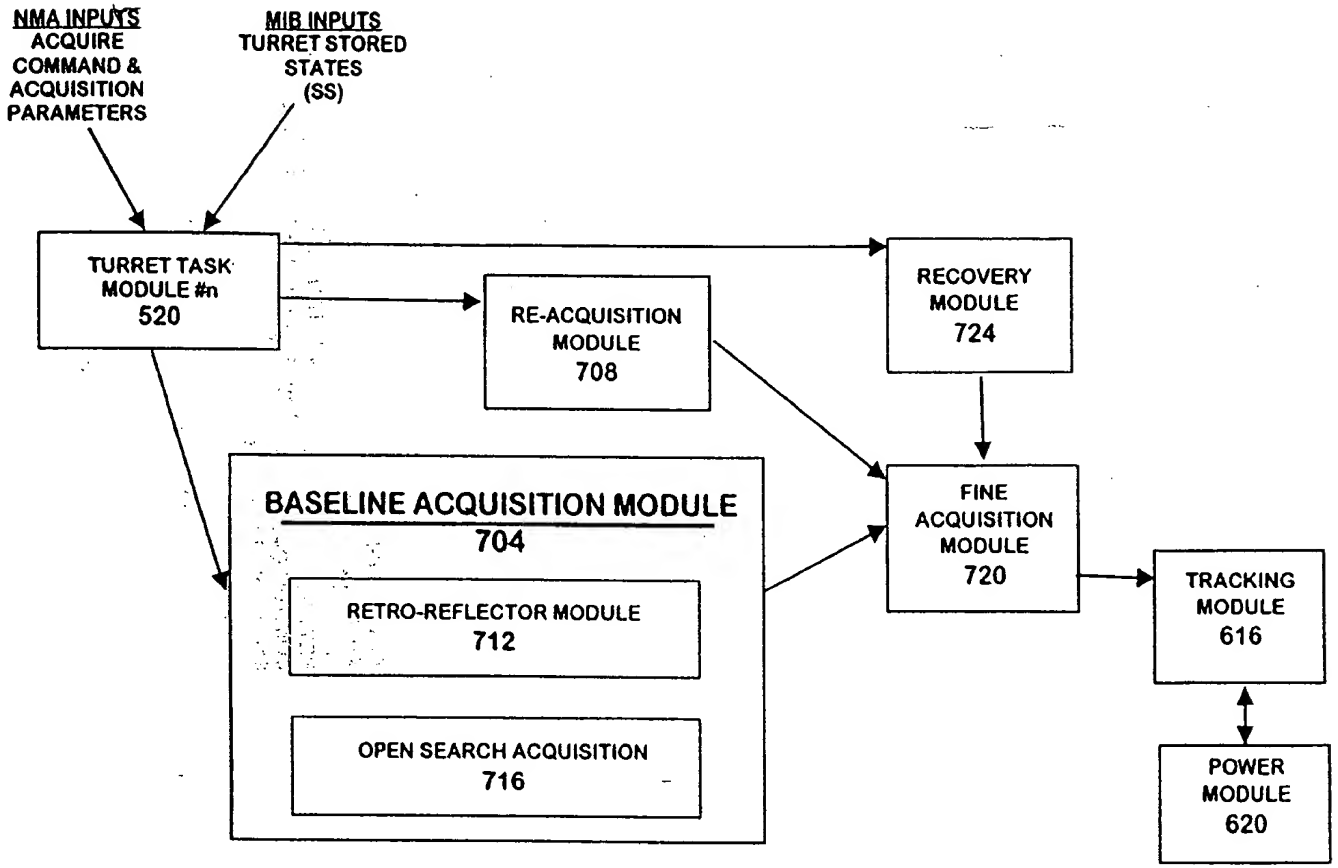
NMA INPUTS
ACQUIRE
COMMAND &
ACQUISITION
PARAMETERS
MIB INPUTS
TURRET STORED
STATES
(SS)
TURRET TASK
MODULE #n
520
RE-ACQUISITION
MODULE
708
RECOVERY
MODULE
724
BASELINE ACQUISITION MODULE
704
RETRO-REFLECTOR MODULE
712
OPEN SEARCH ACQUISITION
716
FINE
ACQUISITION
MODULE
720
TRACKING
MODULE
616
POWER
MODULE
620

Figure 7

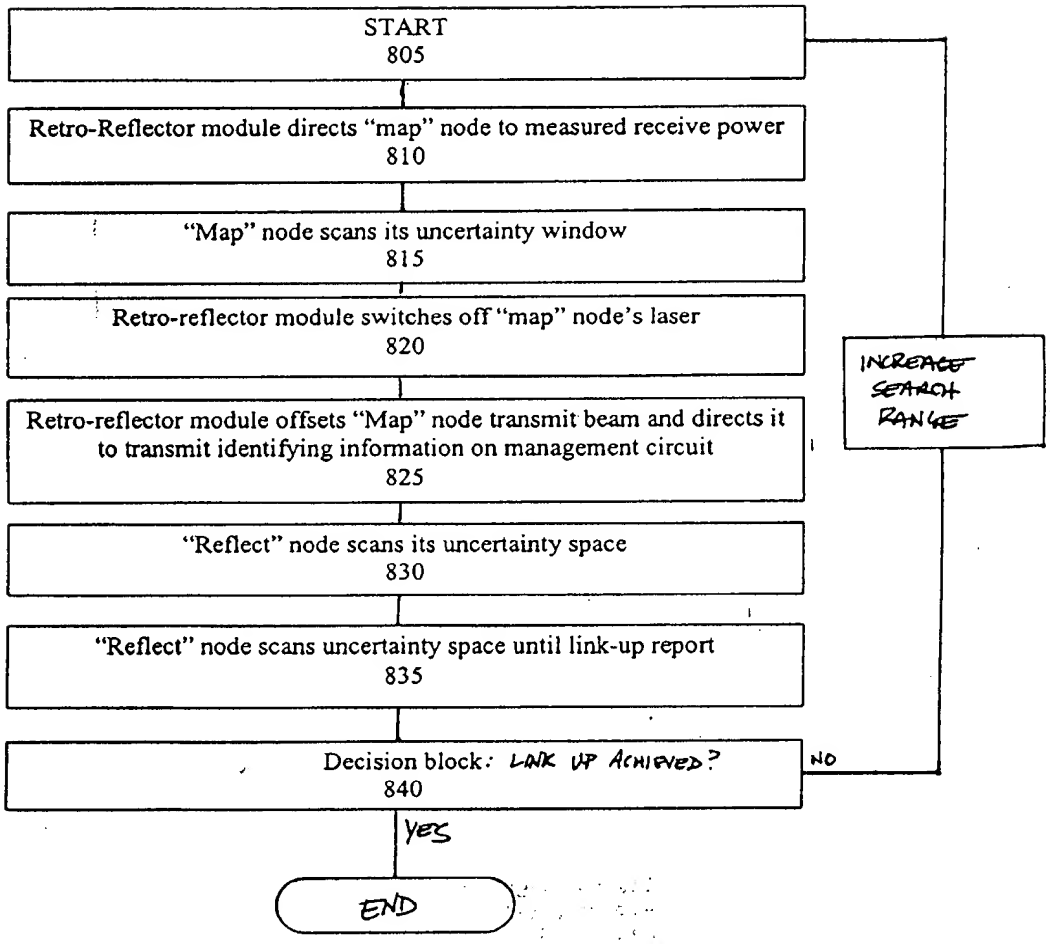

FIG. 8 RETRO-REFLECTOR ACQUISITION MODULE

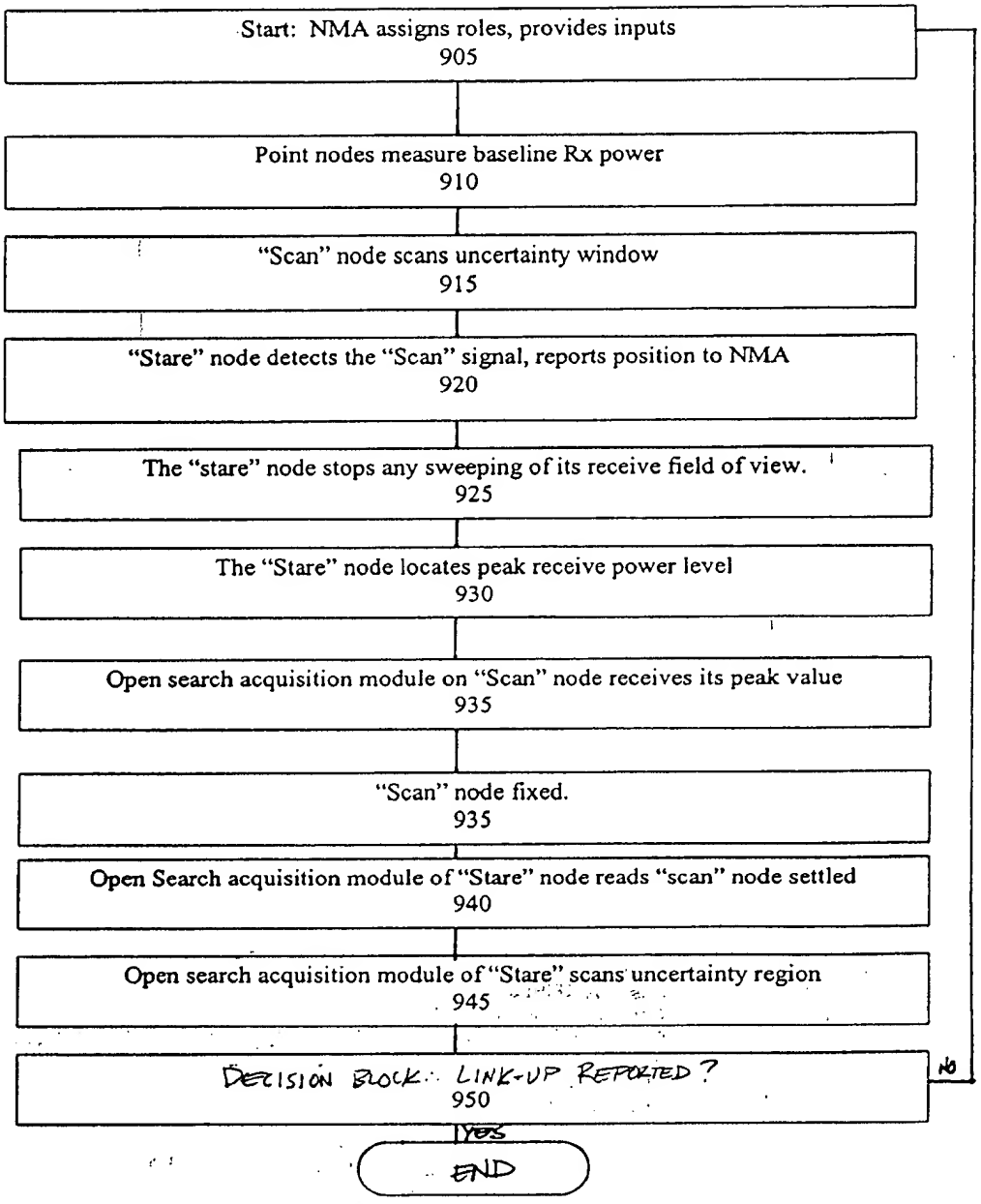

FIG. 9 OPEN SEARCH ACQUISITION MODULE

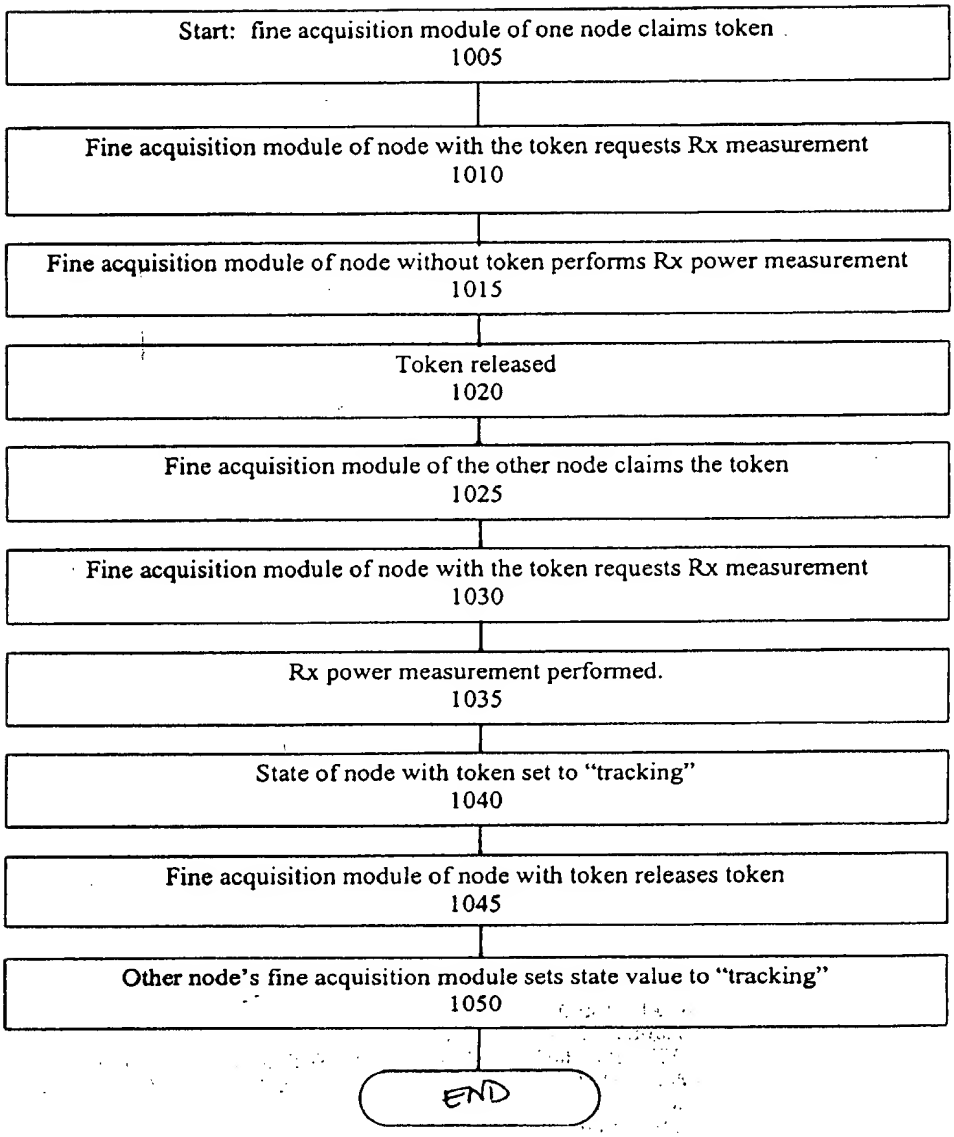

FIG. 10 FINE ACQUISITION

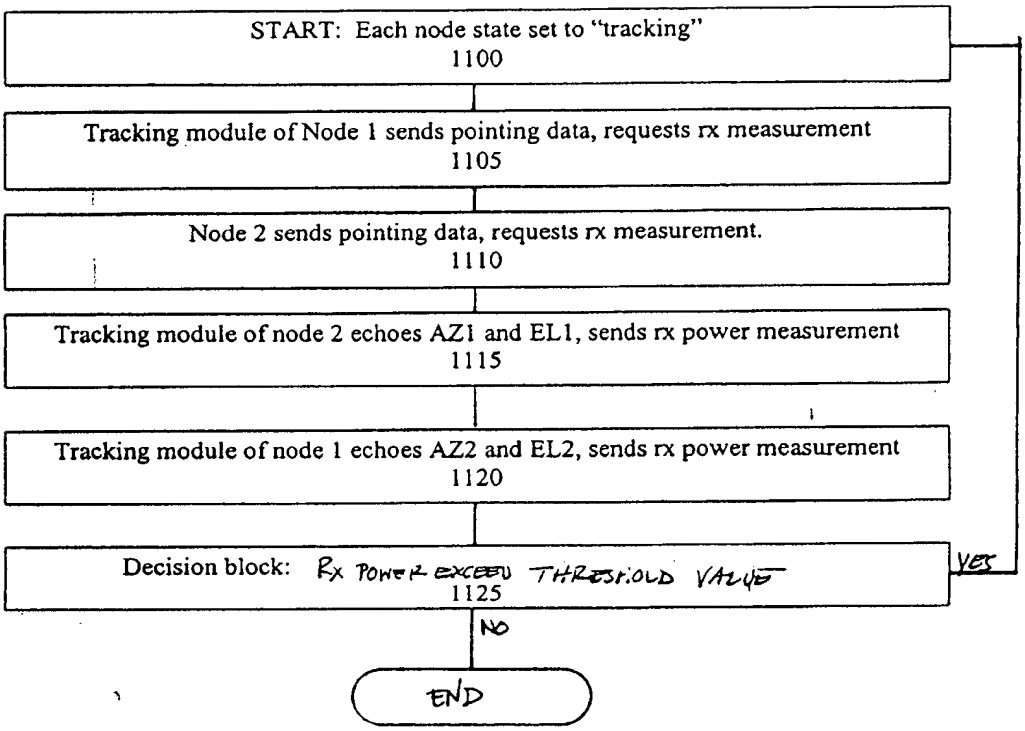

FIG. 11 TRACKING MODULE

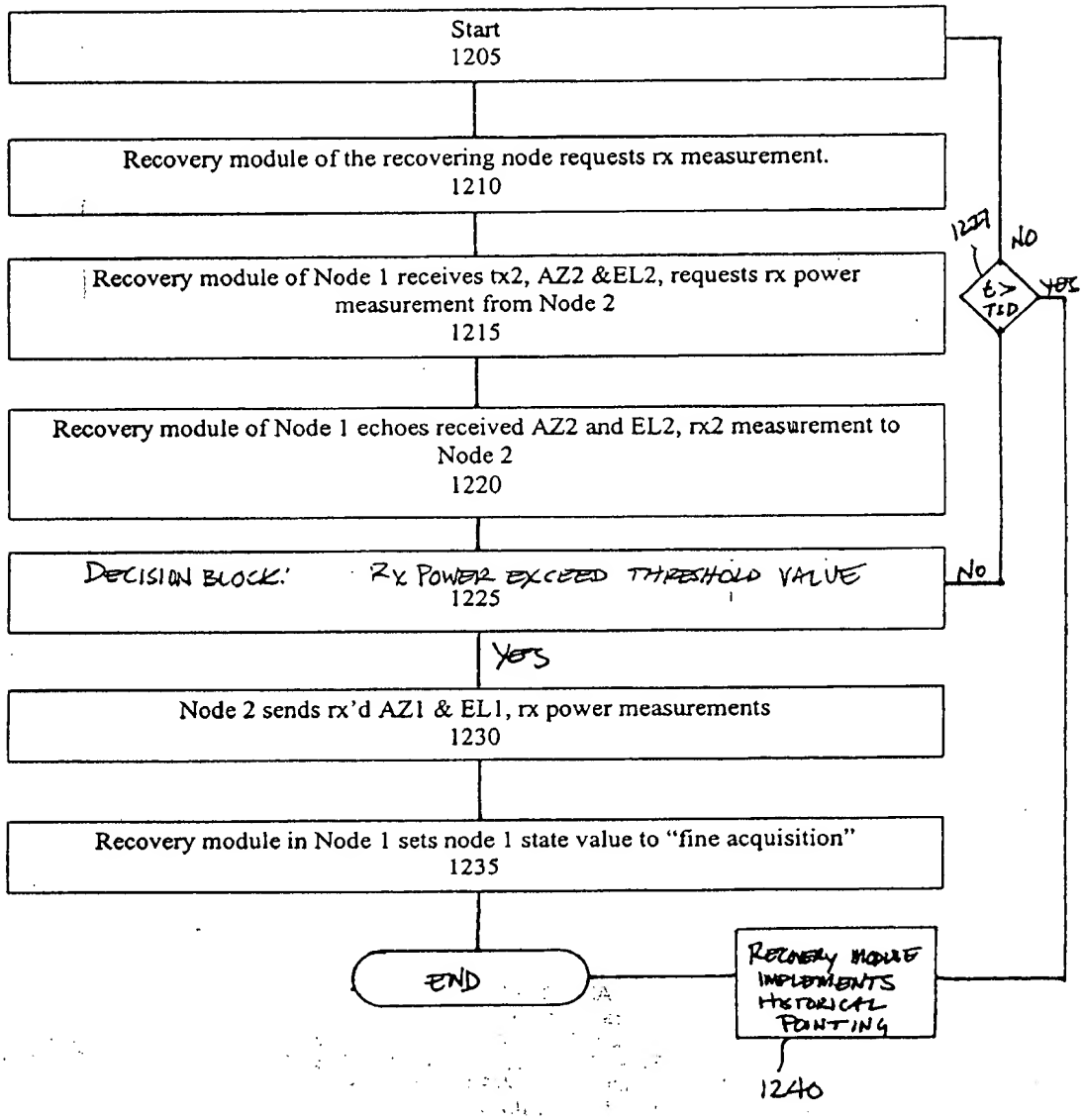

FIG. 12 RECOVERY MODULE

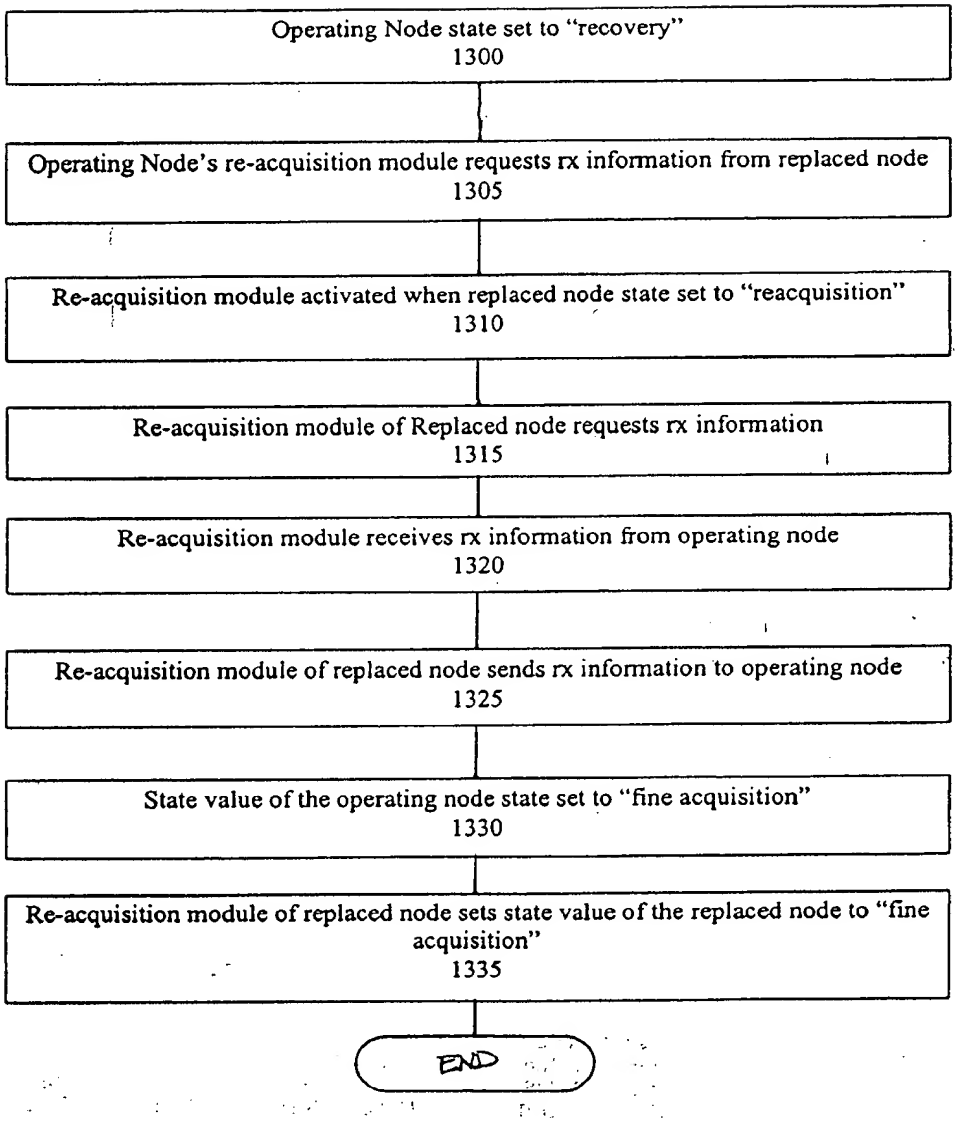

FIG. 13 RE-ACQUISITION